

Lenin's Ideas on Electrification (Cont.)

SOV/2068

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AVAILABLE: Library of Congress (TK85.K87)

Card 3/3

MM/bg
8-18-59

KUPERMAN, L.M., inzhener; KARP, V.S., inzhener.

PKSV brand jumper wire. Vest.sviazi 17 n., 1:14 Ja '57. (MLRA 10:2)

1. Odesskiy kabel'nyy zavod (for Kuperman).
(Telephone lines)

KUPERMAN, L.N.

Case of coma in bronchial asthma. Vrach. delo no.1:81 Ja '57
(MLRA 10:4)

1. Ol'shanskaya rayonnaya bol'nitsa Kirovogradskoy oblasti.
(COMA) (ASTHMA)

KUPERMAN, L.N.

Cases of iatrogenic disorders. Vrach.delo no.9:975-976 8'58
(MIRA 11:10)

1. Ol'shanskaya rayonnaya bol'nitsa Kirovogradskoy oblasti.
(MEDICINE--PRACTICE)

KUPERMAN, L.N.

Some urgent problems in the work of the district collective farm
medical commissions. Vrach.delo no.3:307-309 Mr '60.

(MIRA 13:6)

1. Ol'shanskaya rayonnaya bol'nitsa Kirovogradskoy oblasti.
(OLSHANA DISTRICT (KIROVOGRAD PROVINCE)--DISABILITY EVALUTATION)

KUPERMAN, L.N.

Case of severe intoxication caused by ascariasis. Vrach. delo no.8:
121-122 Ag '60. (MIRA 13:9)

1. Terapevticheskoye otdeleniye zheleznodorozhnoy bol'nitsy stantsiya
Zhmerinka.

(ASCARIDS AND ASCARIASIS)

BEL'IS, Ye.A.; KUPERMAN, L.N.

Depression with suicidal attempts during treatment with
steroid hormones. Vrach. delo no.1:148-149 Ja'64 (MIRA 17:3)

1. Otdeleniye kozhnykh bolezney uzlovoy bol'nitsy statsii
Vinnitsa Yugo-zapadnoy zheleznoy dorogi.

BOYDYK, R.L.; KUPARMAN, L.M.; ALTMAN, L.H. (Continued)

Diuretic action of norepinephrine and its effect on renal
administration. Sov.med. 39 no.1001 p.116-118 1965.

(MHA 18:12)

AVERBUKH, E.Sh., inzh.; BOCHANOV, Ye.Ye., inzh.; GROYSMAN, A.D., inzh.;
KUPERMAN, M.A., inzh.

Automatic control of hopper loading. Mekh. i avtom.proizv. 19
no.3:19-22 Mr '65. (MIRA 18:4)

KLICHEV, V. N.; KUTELAN, M. B.; Engg.

Grinding Wheels

Selecting grinding discs for processing instrument bearings. Podslipnik No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Und.

КУПЕРМАН, М.Н.

ANDRONOV, A.F.; BORISOV, N.I.; KUPERMAN, M.N.; KHAL'FAN, Yu.A.; KRAMARENKO, O.V.,
kandidat tekhnicheskikh nauk, ~~retsensent~~; MAYKOV, A.S., kandidat tekhnicheskikh nauk, redaktor; BROKSH, V.V., inzhener, zaveduyushchiy redaktsiyei.

[Repair of the "Moskvich" automobile; dismantling-assembling and adjustment work] Remont avtomobil'ov "Moskvich"; razborочно-sbornye i regulirovochnye raboty. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 286 p. (MLRA 6:5)

(Automobiles--Repairing)

ACCESSION NR: AP4041781

S/0191/64/000/007/0033/0036

AUTHOR: Popov, V. A., Kuperman, M. Ye., Krasil'nikova, Z. V.

TITLE: Electron microscopic investigation of phenol-rubber compositions and their initial components

SOURCE: Plasticheskiye massy*, no. 7, 1964, 33-36

TOPIC TAGS: phenol-rubber product, electron microscopy, elastomer, foam plastic, rubber SKN-40, nitrile rubber, phenol formaldehyde resin, copolymerization, copolymer structure

ABSTRACT: Electron microscopic investigations of the surface structure of the copolymerization products of phenol-formaldehyde resin and nitrile rubber SKN-40 with an EM-6 electron microscope having a resolution of 20A showed a definite correlation between the changes in surface structure and the quantitative ratios of the initial components as a function of the conditions of thermal treatment. At certain ratios of components, the foam plastic resulting from their copolymerization had a homogeneous surface structure, indicating their uniform mutual distribution. An increasing amount of elastomer led to a composition with a loose surface structure, which in turn decreased the capacity to form foam

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ACCESSION NR: AP4041781

plastics. The surface structure of the copolymerization products was found to depend greatly on the molding temperature. This is obviously due to chemical transformations of the initial components resulting from the mechanical-chemical processes during their mixing while being heated. In contrast to current concepts of elastomers and systems consisting of entangled molecular chains, it was found that they consist of randomly arranged bands. The band width of nitrile rubber SKN-40 is 900-1000 Å. Orig. art. has: 16 electron micrographs and 1 table.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 012

OTHER: 007

Card

2/2

- OREROV, R.P.; GRINSHPAN, L.B.; BUSHINSKIY, G.I.; KUPERMAN, M.Ye.

Composition and structure of naturally occurring calcium
phosphates. Zhur. prikl. khim. 37 no. 4:716-721 Ap '64.
(MIRA 17:5)

KUPERMAN M Ye

Changes in the viscosity of lyophilic colloid sols III
Viscous sols. F. M. Shemyakin and M. E. Kuperman.
Colloid J. (U. S. S. R.) 3, 817 (1961), cf. C. A. 28,
2071. The effect of NaCl, Na_2SO_4 , NaNO_3 , MgSO_4 ,
 CaCl_2 , AlCl_3 and $\text{Th}(\text{NO}_3)_3$ on η of viscous sols is dealt.
The effect varies with the salt used. At sufficiently high
salt concns. the sol undergoes coagulation. Tabulated
data are given. John Lyvak

AND A-4 DETAILING LITERATURE CLASSIFICATION

ST AND THE OBJECT		PROCESSES AND PROPERTIES INDEX		ST AND THE OBJECT	
KUPERMAN, M. Ye					
BC					
		<p>Variations of viscosity of sols of lyophilic colloids. IV. Cellulose-sulfonium salts. F. M. KONTSEVICH and M. R. KUPERMAN (Kolloid. Zhurn., 1938, 4, 31-34).—The effect on η of various salts at concns. up to those required to produce visible coagulation has been measured. In general, η passes through a series of max. and min. with increasing salt concn.</p>		R. C.	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION					
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KUPERMAN, M. Ye.																																					
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<p>Viscosity changes in sols of lyophilic colloids. V. P. M. Shemyakin and M. H. Kuperman. <i>Colloid J.</i> (U. S. S. R.) 4, 363-8(1938); cf. C. A. 32, 19579¹.-- The η of a 3.5% soln. of secondary cellulose acetate in acetone was measured in a capillary viscometer under a const. pressure. It is changed by addn. of dry salts; the viscosity-salt concn. curve has a min. and a max. for $KMnO_4$, 2 mins. and one max. for $Ca(NO_3)_2$ and 2 maxima and 2 mins. for $FeCl_3$. The coagulating concn. for these salts is 4×10^{-4}, 7×10^{-4} and 4×10^{-4} mol./l., resp. A qual. interpretation of the min. and max. observed is attempted. The d and η of nearly satd. solns. of the 3 salts in acetone were also measured. J. J. Bikerman</p>																																					
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FUKS, N.A.; KUPERMAN, M.Ye.

Powdered, organic insectofungicide. Patent U.S.S.R. 77,920, Dec.31, 1949.
(CA 47 no.19:10170 '53)

Kuperman - M. Ye.
USSR/Chemical Technology. Chemical Products and Their Application.
Mineral Salts. Oxides, Acids, Bases.

J-6

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27434

Author : M.Ye. Kuperman, A.P. Belopol'skiy.

Inst : Academy of Sciences of USSR

Title : Researches in Sphere of Manganese Arsenate.

Orig Pub: In symposium "Issledovaniya po prikl. khimii", M.-L., Izd-vo
AN SSSR, 1955, 225-235

Abstract: Processes connected with the production of Mn arsenate by the
method of As_2O_3 (I) oxidation with pyrolusite in presence of
 H_2SO_4 were studied. The part of the isotherm of the tertiary
system $As_2O_3 - MnO - H_2O$ at 75° for the concentrations of I
from 0.2 to 40% was taken down. It was established that $MnHAsO_4 \cdot$
 $4H_2O$ (II) was the bottom equilibrium phase along the whole
length of the isotherm (within the limits of the above mentioned
concentrations of I). The oxidized solutions, from which II was

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USSR/Chemical Technology. Chemical Products and Their Application.
Mineral Salts. Oxides, Acids, Bases.

J-6

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27434

precipitated, contained 5 to 6% of As_2O_3 . II mixed with gypsum is precipitated from these solutions by lime. Also the possibility of the separation of a part of gypsum from II by the method of the step-by-step precipitation of the oxidized solution containing AsO_4^{3-} , Mn^{2+} and SO_4^{2-} by lime was studied. It was found that it was impossible to separate gypsum, because even at the addition of only a 10%ual amount of gypsum (of the stoichiometric amount corresponding to the acid content in the solution) II was precipitating together with gypsum. Bibliography with 10 titles.

Card : 2/2

-9-

KUPPERMAN, M.Ye.

USSR/Inorganic Chemistry - Complex Compounds.

C.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 30284

Author : Kuperman, M.Ye., Orlov, V.I., Krutitskaya, S.N.,
Trushkina, N.I.

Inst :

Title : Investigations of Arsenous Compounds of Copper and Zinc.

Orig Pub : Sb. Issledovaniya po prikladnoy khimii, M.-L., Izd-vo
AN SSSR, 1955, 236-243

Abst : Under laboratory conditions were prepared $\text{Cu}_3(\text{AsO}_3)_2$,
 $\text{Cu}(\text{OH})_2$, $\text{Cu}(\text{AsO}_2)_2$, $\text{Cu}_3(\text{AsO}_4)_2 \cdot \text{Cu}(\text{OH})_2$, $\text{Cu}_3(\text{AsO}_4)_2$,

$\text{Zn}_3(\text{AsO}_3)_2$, $\text{Zn}(\text{AsO}_2)_2$, $\text{Zn}_3(\text{AsO}_4)_2$ and $\text{Zn}_3(\text{AsO}_4)_2$.

$\text{Zn}(\text{OH})_2$. A determination was made of the amounts of
 As_2O_3 or As_2O_5 and CuO or ZnO , dissolved in solutions of
 NH_3 and CH_3COOH at 25 and 70°.

Card 1/1

KUPERMAN, M.Ye.; ORLOV, V.I.; KRUTITSKAYA, M.N.; TRUSHKINA, N.I.

Aqueous suspensions of powder and paste-type DDT and hexachloro-
cyclohexane compounds used for spraying. [Trudy] NIUIF no.156:
187-199 '55. (MLRA 9:10)

(DDT (Insecticide)) (Benzene hexachloride)

KUPERMAN, M.Ye.; ORLOV, V.I.; KRUTITSKAYA, M.N.; TRUSHKINA, N.I.

Aqueous suspensions of 15 % and 20% DDT compounds used for
spraying. [Trudy] NIUIF no.156:199-201 '55. (MLRA 9:10)

(DDT (Insecticide))

KUPERMAN, M. Ye.

AUTHORS Andreyeva, Ye. I., Kuperman, M. Ye. Krasil'nikova, Z.V. 20-5-50/54

TITLE An Electron Microscope Investigation of the Effect of the Native Substance of Actinomyces and Chemical Compounds upon Bacterium (*Pseudomonas*) *Malvacearum* E. Smith of the Cotton Plant. (Elektronno-mikroskopicheskoye issledovaniye deystviya nativnogo veshchestva Actinomyces i khimicheskikh soyedineniy na vozbuditelya gommoza khlopchatnika - *Pseudomonas malvacearum* E. Smith).

PERIODICAL Doklady Akademii Nauk, ^{SSSR} 1957, Vol. 115, Nr 5, pp. 1031 - 1032 (USSR.).

ABSTRACT *Pseudomonas malvacearum* is one of the most frequent and most dangerous disease of the cotton plant. Many chemical preparations and native substances were used in attempting to combat its cause, which were separated from its natural antagonists. Among the latter actinomyces is the most frequent. Under the atoms of these mushrooms Nr. 2812 was found to be the most active. Its activity was examined by means of several methods. Under the electron microscope EM-3 (10,000 and 12,500 x) some sound bacteria were found in the *Pseudomonas malvacearum* zone, which, when resowed, began to grow and were virulent. After one day the bacteria had branches in the culture, which, however, disappeared after 3 days. After 10 days the entire bacterial mass formed destroyed parts of the bacterial cells in the Petri dish which, when re-sowed, show growth on the culture medium. The electron-microscopical investigation made it possible to study the influence exercised by the native substance of the actinomyces strain Nr. 2812 upon the cause of

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20-5-50/54

An Electron Microscope Investigation of the Effect of the Native Substance of Actinomyces and Chemical Compounds upon Bacterium (Pseudomonas) Malvacearum E. Smith of the Cotton Plant.

the disease. This substance is able to lyse the bacteria, on which occasion the envelopments and the content of the bacterial cells are destroyed. In order to compare the effect with that produced by chemicals, the degree of destruction caused by ethyl mercury chloride and copper triphenolate was examined. It was found that the effects produced by these two chemicals differ. The latter compound was not able to destroy either the envelopments of the cells of the bacteria, whereas the former caused an enlargement of the cells. Destruction began on the cell wall, after which also the contents was destroyed. The native substance of actinomyces caused the lysis both of the cell walls and of the content of the bacterial cells. (There are 4 Slavic references).

PRESENTED by Volikovich, S.I., Academician, March 15, 1957

SUBMITTED March 7, 1957.

AVAILABLE Library of Congress.

Card 2/2

Kuperman, M. Ye.

AUTHORS:

Andrejeva, Ye. I., Kuperman, M. Ye., Krasil'nikova, Z.V. 20-3-43/46

TITLE:

An Electromicroscopic Investigation of the Lysis of Botrytis Cinerea and Fusarium Graminearum by Antibiotic Substances Secreted by Actinomycetes (Elektronnomikroskopicheskoye issledovaniye lizisa Botrytis Cinerea i Fusarium graminearum antibioticheskim veshchestvom vydelyayemym aktinomitsetami)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 508-509 (USSR)

ABSTRACT:

Most of the proved chemical reagents have proved little efficient against fusarium and botrytis cinerea. The former disease in plants does not only affect grain, but also the interior of the cereals, whereas the second fungus affects, also oleraceous plants besides corn. On the other hand, satisfactory results were obtained against the agents of this disease by antibiotics of the actinomycetes. The native substance secreted by actinomycetes Nr 1639 (AN USSR) has proved most efficient during the investigations by the authors. This substance was obtained with a culture of the fungus according to N.A.Krasil'nikov (reference 1). After 3 to 4 days the formation of sterile zones round the antagonist in cultures of the two pernicious fungus was observed. The lysis process was observed, by 5000 times enlargement. The growth zones of actinomycetes were also investigated, as well as those of the pathogenous fungus. As can be seen from the photographs fig. 1:1,2) sound fruits and "hyphen"

Card 1/2

An Electromicroscopic Investigation of the Lysis of Botrytis 20-3-43/46
Cinerea and Fusarium Graminearum by Antibiotic Substances Secreted by Actinomy-
cetes.

of Botrytis cinerea are formed. Various lysis stages of these two organs of the "Schadpilz" (German) were observed in the sterile zones. In the actinomycetes zone were there found only sound actinomycetes hyphen and spores which have shown no symptoms of destruction. The investigations shew a high activity of the actinomycetes-anti-bioticum. The picture obtained from the observation of the lysis of fusarium graminearum was analogous to the previous one. (fig. 1:9), except that the non-affected part of the hyphes becomes first more compact and conserves its shape. There are 1 figure and 3 references, all of which are Slavic

PRESENTED: June 11, 1957, by S. I. Vol'fkovich, Academician

SUBMITTED: May 30, 1957

AVAILABLE: Library of Congress

Card 2/2

SOV/58-59-7-15878

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 7, p 177 (USSR)

AUTHORS: Kuperman, M.Ye., Krasil'nikova, Z.V.

TITLE: Application of the Electron Microscope in Chemical Industry

PERIODICAL: Soobshch. o nauchno-issled. rabotakh i novoy tekhn. Nauchn. in-t po udobr. i insektofungisidam, 1958, Nr 10, pp 120 - 129

ABSTRACT: The authors discuss in detail the possibilities and results of applying the electron microscope in various branches of chemistry. They point out that the most interesting results have been obtained in studying the structure, shape, and dimensions of phosphate particles from various deposits, as well as samples of synthetic phosphorites and apatites. The structure, shape, and dimensions of particles of a number of new fillers have also been studied, in particular kaolin, talc, and clay from various deposits.

A.M. Rozenfel'd

Card 1/1

AUTHORS: Chepelevetskiy, M. L., Gimmel'farb, B. M., 20-119-1-36/52
Kuperman, M. Ye., Krasil'nikova, Z. V.

TITLE: An Electron-Microscope Investigation of the Structure of
Phosphorites From the Kara-Tau Basin (Elektronno-mikroskopi-
cheskoye issledovaniye struktury fosforitov basseyna Kara-
-Tau)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 1, pp. 133-135
(USSR)

ABSTRACT: The phosphorites of this basin (deposits Ak-Say, Kok-su and
Chulak-Tau) contain larger quantities of dolomite (mostly
10-18%), whereby the consumption of sulfuric acid per ton of
assimilable P_2O_5 in superphosphate increases. Thereby the
quality of this fertilizer is impaired as well with regard
to the assimilable P_2O_5 as to its physical properties: it
becomes hygroscopic and smeary. At present 2 methods of the
enrichment of these phosphorites exist: flotation and the
chemical method. By flotation it was possible to attain a
concentrate with a highly reduced magnesium content (Ak-Say),
whereas the phosphorites of the Chulak-Tau deposit still
yield concentrates with an MgO-content of 1,5% and higher.

Card 1/3

An Electron-Microscope Investigation of the Structure of
Phosphorites From the Kara-Tau Basin

20-119-1-36/52

These difficulties may be explained by the grain size of the phosphate substance of these phosphorites. The respective ores were in spite of a similar geological age and belonging to the same series of phosphorites intensively changed by a contact-metamorphism (nearness of a granite-intrusive), especially their phosphates were recrystallized. The structural peculiarities of the Chulak-Tau phosphorites were investigated under an electron-microscope. The structure of the phosphorites of the two remaining deposits were studied for comparison under an ordinary microscope. The characteristics of the Kara-Tau phosphorites are given in table 1. Polished sections of phosphorite samples were produced, impressions were made by the polystyrene-quartz and the collodium-quartz method and then etched, and again impressions made. The investigation showed that the size of the phosphate grains in all 5 samples from Chulak-Tau lies between 0,1 and 4,0 (figure 2). As the production of concentrates is due to the grain size in Chulak-Tau rendered difficult, the flotation shall be combined with a refinement by diluted acids, especially H_2SO_4 . There are 2 figures, 1 table.

Card 2/3

An Electron-Microscope Investigation of the Structure of
Phosphorites From the Kara-Tau Basin

20-119-1-36/52

ASSOCIATION: Nauchnyy institut po udobreniyam i insektofungisidam
(Scientific Institute for Fertilizers and Insecticides).
Gosudarstvennyy institut gornokhimicheskogo syr'ya
(State Institute for Mining-Chemical Raw Materials)

PRESENTED: June 11, 1957, by S. I. Vol'fkovich, Member, Academy of
Sciences, USSR

SUBMITTED: June 5, 1957

Card 3/3

KUPPERMAN, M. Ye.
CHELEVETSKIY, M.L.; GIMMEL'FARB, B.M.; KUPPERMAN, M.Ye.; KRASIL'NIKOVA, Z.V.

Electron microscopic study of the structure of phosphorites from
the Kara-Tau basin. Dokl. AN SSSR 119 no.1:133-135 Mr '58.
(MIRA 11:4)

1. Nauchnyy institut po udobroniyam i insektofungisidam i
Gosudarstvennyy institut gornokhimicheskogo syr'ya. Predstavleno
akademikom S.I. Vol'fkovichem.

(Electron microscopy)

(Kara-Tau--Phosphorites)

KUPERMAN, M.Ye.; YANY SHEVA, V.S.; KRASIL'NIKOVA, Z.V.

Electron microscope studies. [Trudy] NIUIF no.164:42-43 '59.

(MIRA 15:5)

(Electron microscopy)

KUPERMAN, M.Ye.; STOYANOVA, I.G.; YASHKE, Ye.V.; AMELIN, A.G.

Electron microscope determination of the size of sulfuric acid fog drops. Dokl. AN SSSR 155 no.6:1427-1428 Ap '64. (MIRA 17:4)

1. Nauchno-issledovatel'skiy institut po udobreniyam i insektofungitsidam im. Ya.V.Samoylova. Predstavleno akademikom S.I.Vol'fkovichem.

GORSHENINA, G.I.; KUPERMAN, M.Ye.; MIKHAYLOV, N.V.

Electron microscope study of the structure of bituminous
polymeric materials. Koll.zhur. 26 no.2:165-167 Mr-Apr '64.
(MIRA 17:4)

1. Institut fizicheskoy khimii AN SSSR i Nauchno-issledovatel'skiy
institut po udobreniyam i insektofungitsidam imeni Ya.V.Samoylova,
Moskva.

100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050, 7060, 70

Application of electron microscopy for the study of phenol rubber compounds and of the starting components. *Extr. Anal.* 1973, 35-36
(MIRA 17:36)

KUPERMAN, M.Ye.; KAPILEVICH, S.B.; SEREBRYANAYA, R.M.

Electron microscope analysis of the decomposition of apatite
with a mixture of phosphoric and sulfuric acid. Khim. prom.
40 no.8:594-595 Ag '64. (MIRA 18:4)

VAYNSHENKER M.; YUKISH, A.; KUPERMAN, O.

New types of products at the Odessa Food Concentrates Combine.
Kons. i ov. prom. 14 no.11:27-28 N '59. (MIRA 13:2)

1.Odesskiy sovnarkhoz (for Vayshenker). 2.Odesskiy kombinat
pishchevykh kontsentratsiy (for Kuperman).
(Odessa--Food, Concentrated)

TERZIYEV, G.S.; KUPERMAN, O.I.; VAYNSHENKER, N.I.

New types of products. Kons. i ov. prom. 18 no.8:20-22 Ag '63.
(MIRA 16:8)

1. Odeaskiy kombinat pishchevykh kontsentratorov.
(Food, Concentrated)

AUTHOR: Kuperman, P.I.

SOV/68-58-8-7/28

TITLE: On the Relationship of Temperatures in Heating Flues of an Oven and in the Axial Plane of the Coking Charge
(O sootnoshenii temperatur v otopitel'nykh kanalakh koksovoy pechi i v osevoy ploskosti koksovogo piroga)

PERIODICAL: Koks i Khimiya, 1958, Nr 8, pp 20 - 24 (USSR)

ABSTRACT: The character of the dependence and closeness of the relationship between the final temperature of a coking charge and the temperature in the control heating flues was investigated. Corresponding measurements were carried out on a coke-oven battery of the PK-45 system fired with blast furnace gas. Coking time (14 hrs 45 min) and the composition of the blend were practically constant. Temperature measurements in the coking charge were carried out from the coke side at a distance of 2 300 mm from the door lining in three points along the oven height at 600, 2 100 and 3 200 mm from the oven sole. The temperature attained 10-15 min before pushing was considered as the final temperature. Altogether 31 experiments were made and the results obtained were statistically treated (Figures 1-3). The correlation coefficients between the

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SOV/68-58-2-7/28

On the Relationship of Temperatures in Heating Flues of an Oven
and in the Axial Plane of the Coking Charge

temperature in the central flues and the final temperatures in the tar-line plane at the above stated heights were 0.72, 0.76, and 0.70, respectively. It is concluded that using the method of statistical correlation, the relationship between the temperature in the heating control flues and the final temperature in the axial plane of the coking charge was established. A change of 1 °C in the control flue corresponded to the changes in the axial plane of the charge of the above mentioned heights of 2.93, 2.20 and 2.59 °C, respectively. There are 3 figures, 1 table and 4 Soviet references.

ASSOCIATION: VUKhIN

Card 2/2

- | | |
|-------------------------------|------------------------------|
| 1. Ovens--Temperature factors | 2. Coal--Processing |
| 3. Temperature--Measurement | 4. Waste gases--Applications |

KUPERMAN, P.I.; SUKHENKO, S.I., kand.tekhn.nauk

New data on the vertical shrinkage of the charge from Kuznetsk coals.
Koks i khim. no.4:20-24 '60. (MIRA 13:6)

1. Vostochnyy uglekhimicheskiy institut (for Kuperman). 2. Kuznetskiy
metallurgicheskiy kombinat (for Sukhenko)
(Coal--Carbonisation)

KUPERMAN, P.I.; AGAPOV, B.G.

Characteristics of the PK-2k-type coke ovens during the
coking of charges from Kuznetsk coals. Koks.i khim. no.7:
24-29 '60. (MIRA 13:7)

1. Vostochnyy uglekhimicheskiy institut.
(Coal---Carbonization)

KUPERMAN, P.I.; NIKITIN, Yu.K.; RAKOV, V.V.; RASKIN, V.Z.; KUZNETSOVA,
A.I.

Characteristics of large dimension coke ovens in connection
with the coking of charges of Kuznetsk Basin coals. Koks i
khim. no.12:22-27 '62. (MIRA 16:1)

1. Vostochnyy uglekhimicheskiy institut (for Kuperman, Nikitin).
2. Kuznetskiy metallurgicheskiy kombinat (for Rakov, Raskin,
Kuznetsova).

(Coke ovens)

KUPERMAN, P.I.; GRYAZNOV, N.S.; MOCHALOV, V.V.; FROLOV, V.V.; MUSTAFIN, F.A.;
PUSHKASH, I.I.; SLAVGORODSKIY, M.V.; LAZAREV, B.L.; BORISOV, V.I.;
Prinimali uchastiye: CHERKASOV, N.Kh.; ZABRODSKIY, M.P.; RYTCHENKO,
A.I.; RUTKOVSKAYA, Ye.N.; SAITBURGANOVA, N.I.; SHTAGER, A.A.;
SHISHLOVA, T.I.; BUDOL', Z.P.; MEN'SHIKOVA, R.I.; GORELOV, L.A.;
AGARKOVA, M.M.; KOUROV, V.Ya.; KOGAN, L.A.; BEZDVERNYI, G.N.;
POKROVSKIY, B.I.

Effect of the lengthening of the coking time on the coke quality and
testing of coke in the blast furnace process. Koks i khim. no.9:
23-28 '63. (MIRA 16:9)

1. Vostochnyy uglekhimicheskiy institut (for Kuperman, Gryaznov,
Mochalov, Kogan, Bezdvernyy, Pokrovskiy).
2. Ural'skiy institut
chernykh metallov (for Frolov).
3. Nizhne-Tagil'skiy
metallurgicheskiy kombinat (for Mustafin, Pushkash, Slavgorodskiy,
Lazarev, Cherkasov, Zbrodskiy, Rytchenko, Rutkovskaya,
Saitburganova, Shtager, Shishlova, Budol', Men'shikova).
4. Koksokhimstantsiya (for Borisov, Gorelov, Agarkova, Kurov).
(Coke—Testing)

TAYTS, Ye.M., doktor tekhn. nauk; SHVARTS, S.A., kand. tekhn. nauk[deceased]; PEYSAKHSON, I.B., inzh.; GEL'FER, M.L., inzh.; DMITRIYENKO, M.T., inzh.; DOREMAN, G.A., inzh.; IZRAELIT, Ye.M., inzh.; KULAKOV, N.K., inzh.; KUSHLYANSKIY, B.S., inzh.; MEYKSON, L.V., inzh.[deceased]; LEONOV, A.S., inzh.; SHVARTS, G.A., inzh.; SHVARTSMAN, I.Ya., inzh.; YATSENKO, N.Ya., inzh.; BABIN, P.P., inzh.; KHANIN, I.M., doktor tekhn. nauk, prof., red.; KOZYREV, V.P., inzh., red.; KUPCHEN, P.I., inzh., red.; LGALOV, K.I., inzh., red.; LEYTES, V.A., inzh., red.; LERNER, B.Z., inzh., red.; POTAPOV, A.G., inzh., red.; SHELKOV, A.K., red.

[By-product coke industry worker's handbook in six volumes]
Spravochnik koksokhimika v shesti tomakh. Moskva, Metal-
lurgiya. Vol.2. 1965. 288 p. (MIRA 18:8)

22913

1.1100 2908

S/117/61/000/006/003/012
A004/A104

AUTHOR: Kuperman, T. L.

TITLE: Planetary milling of ring-shaped grooves

PERIODICAL: Mashinostroitel', no. 6, 1961, 17

TEXT: The Sterlitamakskiy stankozavod im. Lenina (Sterlitamak Machine Tool Plant im. Lenin) has developed and fabricated a special multi-spindle machine tool for the planetary milling of ring-shaped grooves. Gear box and drive mechanism of this machine are unified with the corresponding units of the model 2A150 vertical drilling machine. The spindle stock has a four-spindle head in which the cutters are inserted. The fixture for the planetary milling has two setting positions on bracket 14. The component is set by the base apertures on dowel 2 and is clamped to the hold-down by the clamping device. After pressing the "Start" button the spindles are lowered rapidly, the milling cutters get into the component apertures and the operating speed is switched on as soon as the guiding journals of the cutter bear on the component. Then the fixture with the component being machined travels in longitudinal direction relative to the rotating cutters which during that time effect the infeed to the

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A004/A104

Planetary milling of ring-shaped grooves

depth of the ring-shaped groove. This motion is effected on account of a displacement of connecting rod 10 and hydraulic cylinder piston 12 fastened on bed 9. The travel of the lower fixture table is controlled by screws 11 and 5. The longitudinal travel of lower table 8 being terminated, the terminal switch is switching on motor 13 and the complex motion of upper table 3 relative to the cutter begins. A worm is seated on the motor shaft which drives worm wheel 15 and axle 16. Two worms 6 rotate worm wheels 7 positioned on the axle whose end has a journal 4 with an eccentricity which is equal to the depth of the ring-shaped groove. The eccentric journals displace upper table 3 with the component relative to the milling cutter. The full cycle of the upper table travel being terminated, a terminal switch switches off the motor. Connecting rod 10 of the hydraulic cylinder returns the lower table into the initial position, the cutter is rapidly retracted from the component and the spindles stop rotating. The planetary milling process is fully automated, the operator only loads and unloads the components. The automated process permits one operator to attend three machines in a transfer line. The machining cycle lasts 2.5 minutes. To increase the tool life, the machining process is carried out with kerosene cooling. Fig. 2 shows the layout of the planetary milling machine. There are 2 figures. X

Card 2/3

KUPEFMAN, T.L.

Milling annular grooves in hydraulic-distributor bodies. Stan.1 instr.32
no.3:33-35 Mr '61. (MIRA 14:3)

(Milling machines)

KUPERMAN, T.L., inzh.

Planetary milling of ring grooves in the body of a hydraulic distributor. Stroi.i dor.mash. 7 no.10:36-37 0 '62.

(MIRA 15:11)

(Milling machines)

KUFERMAN, T. M. Maj., Medical Corps.,-c1949-; Military Medical Acad. im. S.M. Kirov
(Mbr., Clinic for Dermato-Venereal Diseases,-c1949-; Mbr., Chair Microbiology,-c1949-.

"Epidemic, Contagious, and Erosive Stomatitis," Vest. Venerol. i Dermatol., No. 3, 1949

KUDRYAVTSEVA, V.I.; KUPELMAN, T.M.

Bacteriological findings in the treatment of tuberculous meningitis treated with streptomycin. Probl. tuberk., Moskva no. 5:21-25 Sept-Oct 1952.
(GIML 23:5)

1. Docent for Kuperman. 2. Of the Tuberculosis Institute imeni Prof. Shternberg (Director -- Candidate Medical Sciences A. D. Semenov) and of the Department of Microbiology (Head -- Prof. V. M. Berman) of Leningrad Pediatric Medical Institute (Director -- Prof. N. T. Shutova).

KUPERMAN, V.D.

Periodic motor activity of the stomach following surgery for peptic ulcer. Khirurgiia 34 no.5:46-53 My '58 (MIRA 11:7)

1. Iz fakultatskoy khirurgicheskoy kliniki imeni akad. N.W. Burdenko (dir. - zaslushennyy deyatel' nauki prof. general-leytenant N.N. Yelanskiy) i Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(PEPTIC ULCER, surg.

postop. motor activity of stomach (Rus))

(STOMACH, physiology

motor activity after surg. for peptic ulcer (Rus))

KUPERMAN, V. D., Candidate Med Sci (diss) -- "Periodic motor activity of the operated stomach of man in ulcer cases". Moscow, 1959. 11 pp (Min Health RSFSR, Moscow Med Stomatological Inst) (KL, No 25, 1959, 141)

KUPERMAN, V.D.

Acute abdomen in a pseudohermaphrodite. Sov.med. 23 no.11:150 N '59.
(MIRA 13:3)

1. Iz kliniki khirurgicheskikh bolezney (zaveduyushchiy - prof. P.L. Sel'tsovskiy) Moskovskogo stomatologicheskogo instituta i khirurgicheskogo otdeleniya Moskovskoy gorodskoy klinicheskoy bol'nitsy imeni A.A. Ostroumova (glavnyy vrach P.V. Abashkina).

(HERMAPHRODITISM complications)

(ABDOMEN ACUTE caesare reports)

KUPFERMAN, V.D., kand.med.nauk

Use of "RS" powder. Vest.khir. 85 no.10:127-128 0 '60.

(MIRA 13:12)

1. Iz khirurgicheskoy kliniki (zav. -- prof. P.L. Sel'tsovskiy)
Moskovskogo stomatologicheskogo instituta i Moskovskoy gorodskoy
klinicheskoy bol'nitsy No.33 im. Ostroumova.
(TISSUE EXTRACTS) (WOUNDS--TREATMENT)

KUPERMAN, V.D., kand. med. nauk (Moskva K-9, ul. Semashko, d.4, kv.15);
ERISKIN, B.S.

Osteosynthesis with a metal rod in the treatment of pathological
hip fractures. Ort. travm. i protez. 23 no.10:71 O '62.
(MIRA 17:10)

1. I' kliniki khirurgicheskikh bolezney (zav.-- prof. P.L.
Sel'.sovskiy) Moskovskogo meditsinskogo stomatologicheskogo
instituta i travmatologicheskogo otdeleniya (zav... zasluzhennyy
vrach RSFSR D.S. Kovalev) bol'nitay No.33 imeni Ostroumova.

SOV/124-57-7-7868

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 7, p 57 (USSR)

AUTHORS: Ayvaz'yan, V. G., Kartvelishvili, N. A., Kuperman, V. L.

TITLE: Surge Tank of the Pneumatic Type (Uravnitel'nyy rezervuar pnevmaticheskogo tipa)

PERIODICAL: Tr. Mosk. energ. in-ta, 1956, Nr 19, pp 160-173

ABSTRACT: The problem of incorporating a pneumatic surge tank into the system of a hydro-electric powerplant with a subterranean powerhouse is investigated. It is pointed out that the use of a pneumatic surge tank in a specific case taken under advisement permits doing away with an above-the-ground location of the tank. It is further pointed out that such a pneumatic surge tank does not create any additional problems that could affect adversely the operation of the hydraulic power-generating units and permits retaining a controllability of the entire system analogous to that of a system equipped with a regular surge tank. The desirability of conducting an investigation on a model of a pneumatic surge tank is mentioned.

G. V. Aronovich

Card 1/1

~~KUPERMAN, Vladimir Leonovich~~; MAZUR, Aleksandr Maksimovich; MOSTKOV,
Vladimir Mikhaylovich; PRIYMAK, Porfiry Ivanovich; GRIGV, V.A.,
redaktor; VORONIN, K.P., tekhnicheskii redaktor

[Underground hydroelectric power plants] Podzemnye gidroelektro-
stantsii. Moskva, Gos.energ.izd-vo, 1957. 102 p. (MIRA 10:11)
(Hydroelectric power stations)

KHUKHLAYEV, G.A., inzhener.; KUPERMAN, V.L., inzhener.

Damming the St. Lawrence River in building the Long Sault
Dam. Gidr. stroi. 26 no.2:53 F '57. (MLRA 10:4)
(St. Lawrence River--Dams)

KUPERMAN, V.L.
KUPERMAN, V.L., inzh.

Hydraulic calculation of surge chambers in designs for hydro-
electric power plants having pressure diversion channels. Gidr.
stro1.26 no.12:24-30 D '57. (MIRA 10:12)
(Hydroelectric power stations)

ISUPENAN, V.L., Cand Tech Sci — (diss) "Studies of grouping of under-
ground hydroelectric ^{stations} and the hydraulics of ~~the~~ ^{distributed mode} ~~unsettled pro-~~
~~cesses~~ in their pressure system." Nov, 1958. 12 pp (Min of Higher Education,
USSR. Mos Order of Labor Red Banner Engineering-Construction Inst in
V.V.Kuybyshev), 150 copies (11,24-58, 119)

IVANOV, V.G., kand. tekhn. nauk; KUPERMAN, V.L., inzh.; KHUKHLAYEV, G.A., inzh.

Experience in damming large rivers in the U.S.A. Energ. stroi.
no. 4:71-78 '58. (MIRA 12:2)

1. Moskovskiy energeticheskiy institut (for Ivanov). 2.
Glavgidroenergostroyontazh (for Kuperman, Khukhlayev).
(United States--Dams)

VINOGRADOV, Aleksandr Aleksandrovich; KUPERMAN, V.L., kand. tekhn. nauk, red.;
SLOBODKINA, G.N., red.; VELITSYN, B.L., tekhn. red.

[Experiment in the organization of the maintenance and repair of
excavating machines in the construction of hydroelectric power
plants] Opyt organizatsii tekhnicheskogo obsluzhivaniia i remonta
zemleroiinykh mashin na stroitel'stve gidroelektrostantsii. Moskva,
Orgenergostroi, 1959. 54 p. (MIRA 14:11)

(Excavating machinery—Maintenance and repair)
(Hydroelectric power stations—Design and construction)

SOKOLOV, Vsevolod Arkad'yevich; KUPERMAN, V.L., red.; BORUNOV, N.I.,
tekhn.red.

[Hydroelectric plants in Yugoslavia] Gidroelektrostantsii
i Ugolavii. Moskva, Gos.energ.izd-vo, 1959. 97 p.

(MIRA 13:2)

(Yugoslavia--Hydroelectric power stations)

TOLKACHEV, L.A.; KUPERMAN, V.L., red.; MATVEYEV, G.I., tekhn.red.

[Reduction of cost and acceleration of concrete construction
at the erection of hydroelectric power stations] O snizhenii
stoimosti i uskorenii proizvodstva betonnykh rabot na stroi-
tel'stve GES. Moskva, Gos.energ.izd-vo, 1959. 102 p.

(MIRA 12:7)

(Concrete construction)

(Hydroelectric power stations--Design and construction)

KUPERMAN, V.L., kand.tekhn.nauk

Arch dam of the Iadzhanur Hydroelectric Power Station.
Gidr. stroi. 30 no.6:44-46 Ja '60. (MIRA 13:7)
(Iadzhanur Hydroelectric Power Station--Dams)

KUPCHEN, V.L., kand.tekhn.nauk

"Hydroelectric engineering practice" by J.G. Brown. Reviewed by
V. L. Kuperman. Gidr. stroi. 31 no. 1:62-63 Ja '61.

(CHRA 14:2)

(Hydroelectric power stations)

KUPERMAN, V.L., kand.tekhn.nauk; KHUKHLAYEV, G.A., inzh.

Photometric method of measuring excavations in rock. ~~Gid.~~stroil.

32 no.4:48-49 Ap '62.

(MIRA 15:4)

(Penstocks)

KUPERMAN, V.L., inzh.; OBREZKOV, S.S., inzh.; ERISTOV, V.S., red.;
BOBRITSKIY, M.M., inzh., red.; MOSTKOV, V.M., inzh.,
red.; ROZANOV, K.A., inzh., red.; TAYCHER, S.I., inzh.,
red.; KORNILOV, A.M., red.; LARIONOV, G.Ye., tekhn.red.

[Design and construction of hydraulic tunnels and under-
ground hydroelectric power stations] Proektirovanie i so-
oruzhenie gidrotekhnicheskikh tunelei i podzemnykh GES;
materialy soveshchaniia. Moskva, Gosenergoizdat, 1963.
231 p. (MIRA 16:10)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitek-
tury SSSR (for Eristov).
(Hydroelectric power stations)

GUBIN, E.F., doktor tekhn. nauk; KUPCHEN, V.L., kand. tekhn.
nauk. BELYAKOV, A.A., reizenzent; KVARDAKOV, A.F.,
dets., reizenzent; ORLOV, V.A., kand. tekhn. nauk, dets. nauchn. red.

[Economics of water management and hydraulic construction]
Ekonomika vodnogo khoziaistva i gidrotekhnicheskogo
stroitel'stva. Moskva, Stroiizdat, 1965. 302 p.
(MIRA 18:8)

1. Zamestitel' Tekhnicheskogo Soveta Gosudarstvennogo
proizvodstvennogo komiteta po energetike i elektrifika-
tsii SSSR (for Belyakov). 2. Zaveduyushchiy kafedroy gidrav-
lik i gidrosoruzheniy Novosibirskogo inzhenerno-
stroitel'nogo Instituta im. V.V. Kuybysheva (for Kvardakov).

KUPERMAN, Ya.M., kandidat ekonomicheskikh nauk.

Great possibilities for increasing labor productivity in
construction. Stroi.pred.neft.prom. 1 no.10:22-23 D '56.

(MLRA 10:2)

(Construction industry)

KUPERMAN, Ya.

Increasing labor productivity in construction work in the sixth
five-year plan. Vop.ekon. no.5:43-58 My '56. (MLBA 9:8)
(Construction industry) (Labor productivity)

KUPERMAN, Ya.M., kand, ekon. nauk

Overhead costs for the construction of pipeline mains. Stroil.
truhoprov. 3 no. 11:18-20 N '58. (MIRA 11:12)
(Pipelines--Costs)

KUPERMAN, Yakov Mironovich, kand.ekon.nauk; YAKUSHEV, Pavel Mikhaylovich. Prinimat' uchastiye: GINDIN, I.F., kand.ekon.nauk; BIRMAN, A.M., kand.ekon.nauk, red.; KUTSENOVA, A.A., red.izd-va; EL'KINA, E.M., tekhn.red.; GILENSON, P.G., tekhn.red.

[Working capital of construction organizations] Oborotnye sredstva stroitel'nykh organizatsii. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1959. 159 p.

(MIRA 12:8)

(Construction industry--Finance)

SOV/95-59-2-3/13

AUTHOR: Kuperman, Ya.M., Candidate of Economical Sciences

TITLE: Aluminum in Pipeline Construction (Alyuminiy v truboprovod-nom stroitel'stve)

PERIODICAL: Stroitel'stvo truboprovodov, 1959,⁴ Nr 2, pp 6-9 (USSR)

ABSTRACT: To meet the requirements of pipeline construction program of the 7-Year Plan, an estimated 8 million tons of steel will be needed. There are several ways of economizing steel; one is to use aluminum alloys in the production of pipes which have the advantage of presenting a smoother surface than steel pipes, resulting in less hydraulic resistance to the flow of gas or liquids and a corresponding output increase of 10 - 15%. Aluminum alloy pipes lend themselves better to pressing, rolling and bending and to production of variable wall thickness. Aluminum alloy tubes are particularly suitable for the transmission of sulfurous crude oil and sulfurous gas as well as for laying in active corrosive soils. The article refers to experiences made with aluminum alloy tubes in the USA. Up to the present two alloys AMG-3 (with a tensile strength of 2,000 kg/cm²) and AMG-6 (with a tensile strength of 3,000 kg/cm²) have been used. In 1958, alloy V-92, composed of

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Aluminum in Pipeline Construction

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aluminum, magnesium and zinc, was developed with a tensile strength of 3,600 kg/cm². There are two factors which are so far opposed to the utilization of aluminum alloys in serial pipe production - the price of aluminum and the lack of it due to other industries absorbing most of the available aluminum. Up to the present, aluminum alloy pipes have been pressed and polished as required for aircraft construction. This technology of production has now been changed to electric-welded pipes instead of pressed pipes, requiring no polish. In serial production, 1 ton of 120-mm aluminum alloy pipes would cost about 11,000 roubles and 1 ton of sleeve pipes -- 7,100 roubles. The article shows the economic expediency of V-92 aluminum alloy pipes, as compared with steel pipes, taking into account the greater wear resistance of the former and the fact that in the case of small diameter pipes economy is achieved by using reduced wall thickness for aluminum alloy pipes, as compared with steel pipes. Due to the lighter weight, the transportation, handling and laying of aluminum alloy pipes is cheaper than that of steel pipes. Even at the present high cost of aluminum alloy pipes, there are cases, where it pays to use now aluminum

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Aluminum in Pipeline Construction

SOV/95-59-2-5/15

alloy pipes, as e.g. for transmission of sulfurous crude oil
and gas, when aluminum alloy pipes will outlast steel pipes
3 - 4 times.
There are 2 tables.

Card 5/3

KUPERMAN, Ya.M., kand.ekon.nauk

Forms and methods of the lower-echelon operational planning. Stroil.
truboprov. 5 no.11:25-27 N '60. (MIRA 13:11)
(Gas, Natural--Pipelines)

KUPERMAN, Ya.

Internal potentials for increasing labor productivity in construction.
Biul. nauch. inform.: trud i zar. plata 4 no.12:10-16 '61.

(MIRA 15:1)

(Construction industry--Labor productivity) (Pipelines)

BALIKHIN, Mikhail Ivanovich, kand. ekon. nauk; KOVNAT, Vitaliy L'vovich[deceased]; GUREVICH, M.S.; Prinimal uchastiye KUPERMAN, Ya.M., kand. ekon. nauk; LEYKIN, B.P., red.; SHISHKOV, A.V., red. izd-va; SHERSTNEVA, N.V., tekhn. red.

[Planning the production and economic activity of building organizations]Planirovanie proizvodstvenno-khoziaistvennoi deiatel'nosti stroitel'nykh organizatsii. 2. izd., perer. i dop. Moskva, Gosstroizdat, 1962. 415 p. (MIRA 15:9)

(Construction industry)

KAZANSKIY, B.M., inzh.; KUPERMAN, Ya.M., kand.ekon.nauk

Overhead expenses in pipeline construction. Stroi.
truboprov. 7 no.10:26-28 0 '62. (MIRA 15:11)
(Pipelines--Cost of construction)

BERZON, O.F., inzh.; BUKSHTEYN, D.I., inzh.; KUPERMAN, Ya.M.,
kand. ekon. nauk; RUDNEV, I.B., kand. tekhn.nauk;
GORBUSHIN, P.B., red.; ZHUKOVSKIY, Ye.S., nauchn. red.;
GIROVSKIY, V.F., glav. red. serii; BOGINA, S.L., red.;
GOL'BERG, T.M., tekhn.red.

[Handbook on material and machinery supply for construction
units] Spravochnoe posobie po material'no-tekhnicheskomu
snabzheniyu stroitel'nykh organizatsii. Pod obshchei red.
P.B.Gorbushina i D.I.Bukshteina. Moskva, Gosstroizdat,
1963. 607 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy institut ekonomiki
stroitel'stva. 2. Direktor Nauchno-issledovatel'skogo insti-
tuta ekonomiki stroitel'stva i chlen-korrespondent Akademii
stroitel'stva i arkhitektury (for Gorbushin). 3. Rukovoditel'
otdela normirovaniya material'nykh resursov i tsen na stroi-
tel'nye konstruksii nauchno-issledovatel'skogo instituta
ekonomiki stroitel'stva (for Bukshteyn).

(Construction industry--Management)

KUPERMAN, Ya.

Textbook on the economics of construction. Vop. ekon.
no.1:137-140 Ja '64. (MIRA 17:3)

AREF'YEVA, N.A., inzh.; KUPERMAN, Ya.M., kand.ekonom.nauk

Internal potentials for increasing labor productivity in pipeline
construction. Trudy VNIIST no.14:40-54 '62. (MIRA 16:12)

KUPERMAN, Ya.M., kand.ekonom.nauk; RUBINOV, N.Z., inzh.

Economic effectiveness of using pipes made from aluminum alloys
in pipeline construction. Trudy VNIIST no.14:95-104 '62.
(MIRA 16:12)

CHILAN, Yakov Mironovich; BOBYLEVA, L.V., red.

[Circular capital and production stocks of construction organizations] Oborotnye sredstva i proizvodstvennye zapasy stroitel'nykh organizatsii. Moskva, Ekonomika, 1964. 105 p. (MIRA 17:6)

ZHUKOVSKIY, Yefim Semenovich; IVANOV, Nikolay Vasil'yevich,
kand. ekon. nauk; KULEBZAN, Yakov Mironovich, kand.
ekon. nauk; Prinsipal uchastiye BUKHTEYN, D.I.;
VARENIK, Ye.I., prof., doktor tekhn. nauk, retsenzent;
OGNEVAYA, N.V., kand. ekon. nauk, st. prepod., retsen-
zent; USPENSKIY, V.V., kand. ekon. nauk, retsenzent;
VERESHCHAGINA, V.Ya., red.

[Organization of procurement in construction] Organizatsiya
snabzheniya stroitel'stva. Moskva, Vysshaya shkola, 1965.
283 p. (MIRA 18:8)

1. Zaveduyushchiy kafedroy "Ekonomiki i organizatsii
stroitel'stva" Moskovskogo inzhenerno-ekonomicheskogo insti-
tuta im. S.Ordzhonikidze (for Varenik). 2. Kafedra "Ekonomiki
i organizatsii stroitel'stva" Moskovskogo inzhenerno-ekonomi-
cheskogo instituta im. S.Ordzhonikidze (for Ognevaya).

KUPERMAN, Ye., mayor intendantskoy sluzhby

Potatoes must be packed for shipment. Tyl i snat. Sov. Voor. S11.
21 no.8:89-90 Ag '61. (MIRA 14:12)
(Potatoes--Transportation)

KUPERMAN, Ye.I., inzhener.; BARANOVSKIY, B.K., inzhener.

Remote control equipment for type UUP-1 substations. Vest. svyazi
17 no.4:8-10 Ap. '57. (MIRA 10:5)

1. Tsentral'noye konstruktorskoye byuro Ministerstva svyazi SSSR.
(Electric power distribution)

SUPERMAN. Ye. I

PHASE I BOOK EXPLOITATION

949

U.S.S.R. Ministerstvo svyazi. Tekhnicheskoye upravleniye.

Novaya apparatura radiofikatsii gorodov; informatsionnyy sbornik.

(New Equipment for Urban Radio Systems; Collection of Information)

Moscow, Svyaz'izdat, 1958. 48 p. (Series: Tekhnika svyazi) 11,800 copies printed.

Resp. Ed.: Fursov, V.A.; Tech. Ed.: Mazel', Ye. I.; Ed.: Novikova, Ye.S.

PURPOSE: The monograph may be useful to engineers working in the design of wire communication systems.

COVERAGE: The monograph contains three articles describing some new components of typical wire communication equipment designed for the switching and remote control of various sections of an urban wire communication network. The equipment was developed by the Central Design Bureau of the USSR Ministry of Communication. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword

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Lipkina, V.A., AVK-1 Equipment for Distribution of Output Power and Feeder
Card 1/3 Control

5

New Equipment for Urban Radio Systems (Cont.)

949

The AVK-1 equipment is designed for use at supporting amplifier stations and substations. The author describes the operation of a circuit for automatic switching of loads of a TU-5 power amplifier and discusses a system for protecting and switching on the distribution feeders. She also describes measurement of feeder input resistance and the resistance of feeder insulation. A general view and the method of assembling the AVK-1 equipment are also presented.

Baranovskiy, B.K. UUP-1 Equipment for Remote Control of Amplifier Substations 20

The UUP-1 equipment is designed for controlling two amplifier substations from a central amplifier station. The author describes the system in general and discusses a method of switching on the filament circuit and the plate circuits of TU-5-3 amplifiers. Switching of preamplifier circuits is described and a method of signaling and automatic switching of amplifiers is discussed. A general view and the method of assembling the equipment are also given.

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New Equipment for Urban Radio Systems (Cont.)

949

Kuperman, Ye.I. (Deceased). UKTP-1 Rack for Remote Control and Supervision
of Transformer Substations

36

The UKTP-1 rack is designed to control six or twelve transformer sub-stations. The author gives basic specifications of the rack and describes the remote control of main feeders. He also discusses the remote control of feeders of public-address systems. A general view and the method of assembling the equipment are also presented.

AVAILABLE: Library of Congress (TK 6560.R8)

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1-4-59

Card 3/3

KUPERMAN, Ye.Ya., assistant

Injuries and their prevention at a factory producing lead batteries.
Sbor. trud. Kursk. gos. med. inst. no.13:38-41 '58. (MIRA 14:3)

1. Iz gosital'noy khirurgicheskoy kliniki (zav. - prof. A.V.
Belichenko) Kurskogo gosudarstvennogo meditsinskogo instituta.
(INDUSTRIAL SAFETY)

KUPPERMAN, Z., podpolkovnik; ALYAKRINSKIY, M., starshiy leytenant; ZAKHOVAYEV,
A.

Electomechanical device for moving targets. Voen. vest. 37 no.1:77-
79 Ja '58. (MIRA 11:2)

(Target practice--Equipment and supplies)

KUPERMAN, Z., inzh. (Moskva); MOROZOV, A.; ZHIRNOV, N.; POLYAKOV, V., inzh.;
LUGOVOY, V. (Tbilisi); KEL'BERT, D. (Tashkent)

Technical information. Okhr. truda i sots. strakh. 5 no.9:36-40
S '62. (MIRA 16:5)

1. Starshiy inzhener avtokolonny 2200 Kirovogradskogo oblastnogo
avtotransportnogo tresta (for Zhirnov).
(Technological innovations) (Safety appliances)

NOZHEVNIKOV, A.M.; CHARNINA, R.M.; KUPERMAN, Z.O.

Progressive technology of the operations in the technical car
inspection point. Zhel. dor. transp. 47 no.5:38-43 My '65.
(MIRA 18:6)

1. Glavnyy inzh. sluzhby vagonnogo khozyaystva Moskovskoy dorogi
(for Nozhevnikov). 2. Starshiy inzh. sluzhby vagonnogo khozyaystva
Moskovskoy dorogi (for Charnina). 3. Glavnyy inzh. vagonnogo depo
Petrovo (for Kuperman).

KUPERNIK, K. (Parizh)

Psychoanalysis in contemporary French psychiatry. Zhur. nevr.
i psikh 61 no.8:1255-1259 '61. (MIRA 15:3)
(PSYCHOANALYSIS)
(FRANCE--PSYCHIATRY)

KUPEROV, L.P.

Method of short-range radio forecasts. Probl. Arkt. no.2:141-147
'57. (MIRA 11:12)

(Ionospheric radio wave propagation)

KUPEROV, L.P.

Short-range radio forecasts over the Dixon Island -
Moscow line during the navigation period of 1958. Probl.
Arkt.i Antarkt. no.1:119 '59. (MIRA 13:7)
(Radio, Short wave)